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INFORMATION REPORT

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COUNTRY	East Germany	REPORT NO.		25X1
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SEP 27 1956

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[redacted] a report of [redacted] the following 25X1
East German RFT (radio and telecommunications engineering) factories 25X1
1956; [redacted] the VEB Funkwerk (radio factory) Leipzig, 25X1
the VEB Sachsenwerk (Saxon Works) Radeberg, the VEB Fernmeldewerk (telecommunica-
tions factory) Bautzen, and the VEB Funkwerk Koepenick. [redacted]

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Annex 1

Information from East Germany.

April 1956.

Electrotechnic Factories.

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Leipzig, VEB (Volkseigene Betrieb, people-owned factory) Funkwerk
(Radio Plant).

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The labor force is estimated at 6,000, part of whom are women. The women perform considerably heavier work here than in the West.

The plant produces ^{electronic} ~~electronic~~ regulating equipment and is one of the leading plants in the field of "measurement technology" in the centimeter and decimeter band.

It produces radio and cathode-ray tubes. The latter are used principally in industrial measuring instruments. Television tubes and television sets are also produced, mainly for industrial television. The tube diameter and the quality is inferior to Western products.

As far as is known, klystrons and magnetrons are not produced there. These were manufactured in Fernmeldewerke (telecommunication plants) in Berlin.

The plant produces a decimeter telephone, type DR921. The set meets the Russian requirements for a set of this type. The price is \$300.00 per set/ ^{for} **immediate delivery**. It is equipped with the usual standard tubes, except for two items, OSW219 or OSW2600, which we are unable to identify.

Among other equipment produced were "ultrasonic detectors". They mentioned that they had made great advances in this field, without being willing to give any exact information.

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early-warning radar or any other

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military radio equipment.

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[redacted] there should be nothing to prevent the production of such equipment.

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Sachsenwerk Radeberg. (The Sachsen Plant in Radeberg)

In addition to television sets, this plant also produces microwave communication equipment and carrier equipment. Of the last-named equipment, type TF941 is produced for use in connection with RVG-series. The RVG-series are radio links in the decimeter band. Type TF941 transmits 12 conversations **over a 4-line cable.**

Further, the plant manufactures carrier equipment for cable transmission of television signals.

VFR Fernmeldewerk, Bautzen. (Telecommunication Plant in Bautzen)

The plant's production includes carrier equipment Z8/v 16. The new type F.B.102 is smaller than the old type.

Funkwerk, Koepenick. (Radio Plant in Koepenick)

The plant is located in East Berlin. [redacted]

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[redacted] they did not produce teletvnewriters. [redacted]

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Carrier equipment, type D.S.T.8/1, is manufactured. The type may be used either for 8 telephone channels or 6 telephone channels 2 x 3 teletype channels.

In addition, this plant produces radio equipment and other naval equipment, such as **gyros, engine telegraphs, sonic depth finders, "fiskelupe"** ^(D) **[not identified]** for the commercial fleet, and electric armatures for the commercial fleet and the mining industry.

The gyrocompass produced there has a single "flywheel" with a turning speed of 14 to 16,000 revolutions.

The "fiskelupe" is constructed for combined vertical and horizontal signals. It may therefore be assumed that the plant also is capable of manufacturing **Asdic**, although this was not indicated.

At the "Werk fuer Signal und Sicherungstechnik" (Signal and Safety Engineering Plant), automatic switchboards are produced. At

* *Fiskelupe = Sub detector. Not clear.*

the time, it had such large orders from the East that it could not undertake deliveries to the West.

General.

All radio and naval equipment manufactured at the Koepenick Plant was made up according to Russian specifications for naval equipment. These are often more exacting than requirements for Lloyd's and Veritas. For instance, they require that every vessel shall be equipped with an automatic position-sender which, connected with the ship's distress signaling apparatus, gives the position of the ship. The position was said to be marked in the machine by the officer on watch. How often or when this was done is not known.

The production of radio tubes is governed by a previously fixed annual production figure. The result is that it often is difficult to obtain tubes, especially at the end of the production year.

Apparently, it is still difficult to obtain copper. An attempt is made to make aluminum do for purposes, for which copper would be used in the West.

There also seems to be a shortage of binding agents for lacquers. Here, the best is exported, while the domestic market seems to be handicapped by poor quality. Paint and lacquer peels off after only a couple of months.

Klystrons and magnetrons are said to be produced at "Werke fuer Fernmeldewesen, Berlin" (Berlin Telecommunication Plants).

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the Russians no longer take an active part in VEB Funkwerke's research and development work. They are now merely observers.

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